1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: LATICRETE® 300 Stone Adhesive- Part A

Recommended use:

It is a multi component, high strength epoxy adhesive, which is formulated for the spot bonding method of tile and stone installations. (For professional use).

Company Name: LATICRETE MIDDLE EAST LLC

Address: P.O. Box. 86028, Ras Al Khaimah, United Arab Emirates

Telephone: +971 7 244 6396

2. HAZARD(s) IDENTIFICATION

Classification:

Acute toxicity (Oral) Category 4 H302
Acute toxicity (Inhalation) Category 4 H332
Skin corrosion Category 1B H314
Skin Sensitization Category 1 H317
Reproductive toxicity Category 2 H361fd
Specific target organ toxicity - repeated exposure Category 2 H373
Acute aquatic toxicity Category 1 H400
Chronic aquatic toxicity Category 1 H410

Label Element:

Signal Words: Danger

Hazard Statement(s):

H302 + H332 - Harmful if swallowed or if inhaled
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.
H373 - May cause damage to organs through prolonged or repeated exposure.
H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statement(s):

Prevention:

P260 - Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
P281 - Use personal protective equipment as required.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
P362 + P364 Take off contaminated clothing and wash before reuse.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor.

Other hazards which do not result in classification:

None known.

Supplemental information:

In combination with water, repeated or prolonged dermal exposure can cause moderate to severe alkali burns

Emergency overview:

IRRITANT. Irritating to eyes, respiratory system and skin.
3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures: Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No</th>
<th>Content (% by wt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol, 4-nonyl-, branched</td>
<td>84852-15-3</td>
<td>&gt;5</td>
</tr>
<tr>
<td>Methyleneoxide polymer with benzeneamine hydrogenated</td>
<td>135108-88-2</td>
<td>&gt;50</td>
</tr>
<tr>
<td>3,6,9-Triazaundecamethylenediamine</td>
<td>112-57-2</td>
<td>&gt;5</td>
</tr>
<tr>
<td>2,4,6-Tris(dimethylaminomethyl)phenol</td>
<td>90-72-2</td>
<td>&gt;1</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Skin contact: Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Get medical attention immediately.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion: Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.

Personal protection for first-aid responders: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Symptoms caused by exposure: Up to now no symptoms are known.

Medical attention and special treatment: Provide general supportive measures and treat symptomatically.

5. FIRE-FIGHTING MEASURES


Suitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Methyleneoxide polymer with benzeneamine hydrogenated: May generate ammonia gas.

Unsuitable extinguishing media: May generate toxic nitrogen oxide gases.

Use of water may result in the formation of very toxic aqueous solutions.

Specific hazards arising from the chemical: Do not allow run-off from fire fighting to enter drains or water courses.

Incomplete combustion may form carbon monoxide.

Ammonia gas may be liberated at high temperatures.

In case of incomplete combustion an increased formation of oxides of nitrogen (NOx) is to be expected.

Downwind personnel must be evacuated.

Burning produces noxious and toxic fumes.

Special protective equipment and precautions for fire fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Wear self-contained breathing apparatus for firefighting if necessary.

Avoid contact with skin.

Firefighting equipment/instructions: A face shield should be worn.

Do not allow run-off from fire fighting to enter drains or water courses.

General fire hazards: No unusual fire or explosion hazards noted.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

For emergency responders

wearing appropriate protective clothing.

Environmental precautions

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.

Methods and materials for containment and cleaning up

Large Spills: Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal.
Small Spills: Pick up with suitable appliance and dispose off.

Other issues relating to spills and releases

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS. Clean up in accordance with all applicable regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Use personal protective equipment. Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Hygiene measures: Provide readily accessible eye wash stations and safety showers. General protective measures: Discard contaminated leather articles. Provide readily accessible eye wash stations and safety showers. Wash hands at the end of each workshift and before eating, smoking or using the toilet.

Conditions for safe storage, including any incompatibilities

Containers should be stored tightly sealed in a dry place. Do not store near acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Follow standard monitoring procedures. 3,6,9-Triazaundecamethylenediamine : TWA 5 mg/m³ Aerosol

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Provide eyewash station.

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed

Skin protection Hand protection

Wear appropriate chemical resistant gloves.
Others
Body protection must be chosen based on level of activity and exposure.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment

Hygiene measures
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous Liquid</td>
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<tr>
<td>Colour</td>
<td>Amber</td>
</tr>
<tr>
<td>Odour</td>
<td>Typical</td>
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<tr>
<td>pH</td>
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<td>Melting point/freezing point</td>
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<tr>
<td>Initial boiling point and boiling range</td>
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<tr>
<td>Flash point</td>
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<tr>
<td>Evaporation rate</td>
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<tr>
<td>Flammability (solid, gas)</td>
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<tr>
<td>Vapor pressure</td>
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<tr>
<td>Relative density</td>
<td>0.99</td>
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<tr>
<td>Solubility (water)</td>
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<tr>
<td>Auto-ignition temperature</td>
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10. STABILITY AND REACTIVITY

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<thead>
<tr>
<th>Property</th>
<th>Description</th>
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<tr>
<td>Reactivity</td>
<td>The product is stable and non reactive under normal conditions of use, storage and transport.</td>
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<tr>
<td>Chemical stability</td>
<td>Material is stable under normal conditions</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>No dangerous reaction known under conditions of normal use.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Heat, flame</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Strong acids.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Carbon dioxide, carbon monoxide, nitrogen oxides</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION

Information on possible routes of exposure
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquid.

Acute toxicity/Effects
May cause discomfort if swallowed.

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50, Species: Rat, Dose:</th>
<th>Method:</th>
<th>LC50, Species: Rat, Exposure duration:</th>
<th>Dose:</th>
<th>Method:</th>
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<tbody>
<tr>
<td>Oral</td>
<td>&gt; 500 mg/kg</td>
<td>estimated</td>
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<tr>
<td>Inhalation</td>
<td>&gt; 20 mg/l</td>
<td>estimated</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Dermal</td>
<td>&gt; 2.000 mg/kg</td>
<td>estimated</td>
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<tr>
<td>Eye</td>
<td>Causes eye irritation on direct contact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensitization</td>
<td>May cause sensitization by skin contact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic Toxicity/Effects
Carcinogenicity
Mixed polycyaloaliphatic amines was tested in rats for systemic effects in a subchronic (28-day) oral study at doses ranging from 15 to 300 mg/kg/day. Effects seen at 300 mg/kg/day included decreased survival, decreased body weight gain, increased liver,
kidney, and adrenal weights and histological changes in the liver, kidney, adrenals and spleen. The No-Observed-Adverse-Effect-Level (NOAEL) was 15 mg/kg/day. Rats exposed orally to 800 mg/kg benzyl alcohol for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No Observed Adverse Effect Level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in a two-year study with rats and mice.

Reproductive toxicity
No data available

Aspiration hazard
Not classified

Other Information
Nil.

12. ECOLOGICAL INFORMATION

Aquatic-toxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Additional information
Do not allow to enter soil, waterways or waste water canal.

13. DISPOSAL CONSIDERATIONS

Disposal methods
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local / regional/ national/ international regulations.

Residual waste
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Completely emptied packaging can be given for recycling.

14. TRANSPORT INFORMATION

UN 2735
Proper Shipping Name : Amines, Liquid, Corrosive
Class : 8

IMDG
Packing group : III
Emergency Schedule
(EmS) : F-A, S-B
Labels : corrosive

UN 2735
Proper Shipping Name : Amines, Liquid, Corrosive
Class : 8

IATA/ ICAO
Packing group : III
Emergency Schedule
(EmS) : F-A, S-B
Labels : corrosive
15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Safety, health and environmental regulations</th>
<th>Followed</th>
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</thead>
<tbody>
<tr>
<td>National regulations</td>
<td>EINECS: All ingredients listed, exempt or notified (ELINCS).</td>
</tr>
<tr>
<td></td>
<td>TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.</td>
</tr>
<tr>
<td>International regulations</td>
<td>AICS: All ingredients listed, exempt or notified.</td>
</tr>
<tr>
<td></td>
<td>IECSC: All ingredients listed or exempt.</td>
</tr>
<tr>
<td></td>
<td>KECL: All ingredients listed, exempt or notified.</td>
</tr>
<tr>
<td></td>
<td>PICCS: All ingredients listed, exempt or notified.</td>
</tr>
<tr>
<td></td>
<td>DSL: All ingredients listed or exempt.</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

| Issue date | 18-February-2019 |

Disclaimer: The information in this (M) SDS was obtained from sources which we believe are reliable but cannot guarantee. Additionally, your use of this information is beyond our control and may be beyond our knowledge. Therefore, the information is provided without any representation or warranty express or implied.
1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: LATICRETE® 300 Stone Adhesive - Part B

Recommended use: It is a multi component, high strength epoxy adhesive, which is formulated for the spot bonding method of tile and stone installations. (For professional use).

Manufacturer/ Importer/ Supplier/ Distributor information:
Company Name: LATICRETE MIDDLE EAST LLC
Address: P.O. Box. 86028, Ras Al Khaimah, United Arab Emirates
Telephone: +971 7 244 6396

2. HAZARD (s) IDENTIFICATION

Classification:
- Skin irritation - Category 2 - H315
- Eye irritation - Category 2 - H319
- Skin sensitization - Category 1 - H317
- Chronic aquatic toxicity - Category 2 - H411

Label Element:

Signal Words: WARNING

Hazard Statement(s):
- H315 Causes skin irritation
- H317 - May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects

Precautionary Statement(s):

Prevention:
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ eye protection/ face protection.

Response:
- P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
- P337 + P313 If eye irritation persists: Get medical advice/ attention.
- P362 + P364 Take off contaminated clothing and wash it before reuse

Storage:
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER/doctor.

Other hazards which do not result in classification: None known.

Supplemental information:
- EUH205 Contains epoxy constituents. May produce an allergic reaction.
- Contains Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700); Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin; oxirane, mono[(C12-14-alkyloxy)methyl]derivs

Emergency overview:
- IRRITANT. Irritating to eyes, respiratory system and skin.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No</th>
<th>Content (% by wt)</th>
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<tr>
<td>Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin</td>
<td>25069-38-6</td>
<td>&gt;60</td>
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<tr>
<td>Reaction product: Bisphenol F-(epichlorhydrin); epoxy resin</td>
<td>9003-36-5</td>
<td>&gt;10</td>
</tr>
<tr>
<td>oxirane, mono[(C12-14-alkyloxy)methyl]derivatives</td>
<td>68609-97-2</td>
<td>&gt;5</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Skin contact
Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Get medical attention immediately.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion
Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.

Personal protection for first-aid responders
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Symptoms caused by exposure
Up to now no symptoms are known.

Medical attention and special treatment
Provide general supportive measures and treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media
Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective. Water fog, applied gently may be used as a blanket for fire extinguishment.

Suitable extinguishing media
During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Phenolics. Carbon monoxide. Carbon dioxide.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

Special protective equipment and precautions for fire fighters
Wear self-contained breathing apparatus for firefighting if necessary. Avoid contact with skin. A face shield should be worn. Do not allow run-off from fire fighting to enter drains or water courses.

Firefighting equipment/instructions
Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is emitted when burned without sufficient oxygen.
### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

**For emergency responders**

Wear appropriate protective clothing.

**Environmental precautions**

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.

**Methods and materials for containment and cleaning up**

- **Large Spills:** Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal.
- **Small Spills:** Pick up with suitable appliance and dispose off.

**Other issues relating to spills and releases**

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS. Clean up in accordance with all applicable regulations.

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

Use personal protective equipment.

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed.

Avoid contact with skin and eyes.

Emergency showers and eye wash stations should be readily accessible.

Adhere to work practice rules established by government regulations.

Avoid contact with eyes.

Hygiene measures: Provide readily accessible eye wash stations and safety showers.

General protective measures: Discard contaminated leather articles.

Provide readily accessible eye wash stations and safety showers.

Wash hands at the end of each work shift and before eating, smoking or using the toilet.

Storage temperature: <= 40 °C.

Containers should be stored tightly sealed in a dry place. Do not store near acids.

**Conditions for safe storage, including any incompatibilities**

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

Follow standard monitoring procedures.

**Occupational exposure limits**

No exposure limits noted for ingredient(s).

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Good general ventilation should be used. Provide eyewash station.

**Individual protection measures, for example personal protective equipment (PPE)**

**Eye/face protection**

Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed.

**Skin protection**

Hand protection

Wear appropriate chemical resistant gloves. Standard EN374: Protective gloves against chemicals and micro-organisms.
**Others**
Body protection must be chosen based on level of activity and exposure.

**Respiratory protection**
In case of insufficient ventilation, wear suitable respiratory equipment.

**Hygiene measures**
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Off white to yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Typical</td>
</tr>
<tr>
<td>pH</td>
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<tr>
<td>Melting point/ freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
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</tr>
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<td>Flash point</td>
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<td>Evaporation rate</td>
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<td>Flammability (solid, gas)</td>
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<td>Vapor pressure</td>
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<td>Solubility (water)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**Reactivity**
The product is stable and non reactive under normal conditions of use, storage and transport.

**Chemical stability**
Material is stable under normal conditions.

**Possibility of hazardous reactions**
No dangerous reaction known under conditions of normal use.

**Conditions to avoid**
Heat, flame

**Incompatible materials**
Strong acids.

**Hazardous decomposition products**
Carbon dioxide, carbon monoxide, nitrogen oxides, phenolics.

### 11. TOXICOLOGICAL INFORMATION

**Information on possible routes of exposure**
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquid.

**Acute toxicity/ Effects**
May cause discomfort if swallowed.

**Oral**
Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product: Single dose oral LD50 has not been determined. Based on information for component(s): LD50, Rat, > 10,000 mg/kg Estimated.

**Inhalation**
Excessive exposure may cause irritation to upper respiratory tract (nose and throat). The LC50 has not been determined.

**Dermal**
Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined. Based on information for Component (s): LD50, Rabbit, > 5,000 mg/kg Estimated.

**Eye**
Causes eye irritation on direct contact.
Sensitization

A component in this mixture has caused allergic skin reactions in humans.
Contains component(s) which have caused allergic skin sensitization in humans.
Contains component(s) which have demonstrated the potential for contact allergy in mice.

Chronic Toxicity /Effects

Carcinogenicity

Many studies have been conducted to assess the potential carcinogenicity of diglycidyl ether of bisphenol A (DGEBA). Indeed, the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEBA is not classified as a carcinogen. Although some weak evidence of carcinogenicity has been reported in animals, when all of the data are considered, the weight of evidence does not show that DGEBA is carcinogenic.

Resins based on the diglycidyl ether of bisphenol A (DGEBA) did not cause birth defects or other adverse effects on the fetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure, or when pregnant rats or rabbits were exposed orally.

Contains component(s) which did not cause birth defects in laboratory animals.

Reproductive toxicity

In animal studies, resins based on the diglycidyl ether of bisphenol A (DGEBA) have been shown not to interfere with reproduction.

Aspiration hazard

Based on physical properties, not likely to be an aspiration hazard.

Other Information

Nil.

12. ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers (CAS 25085-99-8)</td>
<td>Algae IC50</td>
<td>11 mg/l, 72 hours</td>
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<tr>
<td></td>
<td>Algae IC50 Daphnia</td>
<td>1.8 mg/l, 48 hours</td>
</tr>
<tr>
<td></td>
<td>Fish LC50 Fish</td>
<td>1 - 10 mg/l</td>
</tr>
<tr>
<td>Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin (CAS 28084-14-4)</td>
<td>Fish LC50 Fish</td>
<td>1 - 10 mg/l</td>
</tr>
</tbody>
</table>

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Additional information
Do not allow to enter soil, waterways or waste water canal.

13. DISPOSAL CONSIDERATIONS

Disposal methods
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local / regional/ national/ international regulations.

Residual waste
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Completely emptied packaging can be given for recycling.
14. TRANSPORT INFORMATION

IMDG

UN 3082
Environmentally hazardous substance, liquid, n.o.s. (Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin)
Class : 9
Packing group : III
(EmS) : F-A, S-F

IATA/ ICAO

UN 3082
Environmentally hazardous substance, liquid, n.o.s. (Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin)
Class : 9
Packing group : III
Environmental hazards: Yes

15. REGULATORY INFORMATION

Safety, health and environmental regulations

National regulations
Followed
EINECS: All ingredients listed, exempt or notified (ELINCS).
TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
AICS: All ingredients listed, exempt or notified.
IECSC: All ingredients listed or exempt.
KECL: All ingredients listed, exempt or notified.
PICCS: All ingredients listed, exempt or notified.
DSL: All ingredients listed or exempt.

International regulations

16. OTHER INFORMATION

Issue date
18-February-2019

Disclaimer: The information in this (M) SDS was obtained from sources which we believe are reliable but cannot guarantee. Additionally, your use of this information is beyond our control and may be beyond our knowledge. Therefore, the information is provided without any representation or warranty express or implied.
1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: LATICRETE® 300 Stone Adhesive - Part C

Recommended use: It is a multi component, high strength epoxy adhesive, which is formulated for the spot bonding method of tile and stone installations. (For professional use).

Manufacturer/ Importer/ Supplier/ Distributor information:
Company Name: LATICRETE MIDDLE EAST LLC
Address: P.O. Box. 86028, Ras Al Khaimah, United Arab Emirates
Telephone: +971 7 244 6396

2. HAZARD (s) IDENTIFICATION

Classification:
- Skin irritation - Category 2
- Eye irritation - Category 2
- Skin sensitization - Category 1

Label Element:

Signal Words:
DANGER

Hazard Statement(s):
- H315 Causes skin irritation
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation
- H373 May cause damage to organs through prolonged or repeated exposure

Precautionary Statement(s):
Prevention
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ eye protection/ face protection.

Response
- P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
- P305 + P351 + P338. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- P310 - Immediately call a POISON CENTER/doctor.

Storage
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER/doctor.

Other hazards which do not result in classification: None known.

Supplemental information: Nil

Emergency overview: IRRITANT. Irritating to eyes, respiratory system and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures: Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No</th>
<th>Content (% by wt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica filler</td>
<td>14808-60-7</td>
<td>&gt;30</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>471-34-1</td>
<td>&gt;35</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>&gt;1</td>
</tr>
</tbody>
</table>
## 4. FIRST-AID MEASURES

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Wash off with soap and water. Get medical attention if irritation develops and persists</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Rinse with water. Get medical attention if irritation develops and persists.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Coughing. Dust may irritate the eyes and the respiratory system</td>
</tr>
<tr>
<td>Personal protection for first-aid responders</td>
<td>Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves</td>
</tr>
<tr>
<td>Symptoms caused by exposure</td>
<td>Up to now no symptoms are known</td>
</tr>
<tr>
<td>Medical attention and special treatment</td>
<td>Provide general supportive measures and treat symptomatically.</td>
</tr>
</tbody>
</table>

## 5. FIRE-FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Media</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing media</td>
<td>Use fire-extinguishing media appropriate for surrounding materials.</td>
</tr>
<tr>
<td>Unsuitable extinguishing media</td>
<td>None known.</td>
</tr>
<tr>
<td>Special hazards arising from the chemical</td>
<td>During fire, gases hazardous to health may be formed.</td>
</tr>
<tr>
<td>Special protective equipment and precautions for firefighters</td>
<td>Self-contained breathing apparatus and full protective clothing must be worn in case of fire.</td>
</tr>
<tr>
<td>Firefighting equipment/instructions</td>
<td>Wear self-contained breathing apparatus for firefighting if necessary. Avoid contact with skin. A face shield should be worn. Do not allow run-off from fire fighting to enter drains or water courses.</td>
</tr>
<tr>
<td>General fire hazards</td>
<td>No unusual fire or explosion hazards noted</td>
</tr>
</tbody>
</table>

## 6. ACCIDENTAL RELEASE MEASURES

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal precautions, protective equipment and emergency procedures</td>
<td>Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.</td>
</tr>
<tr>
<td>For non-emergency personnel</td>
<td>wearing appropriate protective clothing.</td>
</tr>
<tr>
<td>For emergency responders</td>
<td>Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.</td>
</tr>
<tr>
<td>Environmental precautions</td>
<td>Large Spills: Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal. Small Spills: Pick up with suitable appliance and dispose off.</td>
</tr>
<tr>
<td>Methods and materials for containment and cleaning up</td>
<td>Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS. Clean up in accordance with all applicable regulations.</td>
</tr>
</tbody>
</table>

## 7. HANDLING AND STORAGE

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precautions for safe handling</td>
<td>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Provide readily accessible eye wash stations and safety showers.</td>
</tr>
<tr>
<td>Conditions for safe storage, including any incompatibilities</td>
<td>Containers should be stored tightly sealed in a dry place.</td>
</tr>
</tbody>
</table>
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Control parameters</th>
<th>Follow standard monitoring procedures.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupational exposure limits</td>
<td>Calcium carbonate: PEL- 5 mg/m³ (Respirable fraction)</td>
</tr>
<tr>
<td></td>
<td>Titanium dioxide: PEL-15 mg/m³ (total dust)</td>
</tr>
<tr>
<td>Biological limit values</td>
<td>No biological exposure limits noted for the ingredient(s).</td>
</tr>
<tr>
<td>Appropriate engineering controls</td>
<td>Good general ventilation should be used. Provide eyewash station.</td>
</tr>
<tr>
<td>Individual protection measures</td>
<td>Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed</td>
</tr>
<tr>
<td></td>
<td>Wear appropriate gloves</td>
</tr>
<tr>
<td>Others</td>
<td>Body protection must be chosen based on level of activity and exposure.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>In case of insufficient ventilation, wear suitable respiratory equipment</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Odour</td>
<td>Nil</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point/ freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>2.3</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

| Reactivity                          | The product is stable and non reactive under normal conditions of use, storage and transport. |
| Chemical stability                  | Material is stable under normal conditions |
| Possibility of hazardous reactions  | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid                 | Contact with in compatible material |
| Incompatible materials              | Strong acids. |
11. TOXICOLOGICAL INFORMATION

Information on possible routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquid.

Acute toxicity/ Effects

May cause discomfort if swallowed.

Oral

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. LD50 Rat 6450 mg/kg.

Inhalation

Not a sensitizer

Dermal

Not a sensitizer

Eye

Causes eye irritation on direct contact

Sensitization

Not a sensitizer

Chronic Toxicity /Effects

May cause cancer. In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

Carcinogenicity

Scientific Committee on Occupational Exposure Limits concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on physical properties, not likely to be an aspiration hazard.

Other Information

Nil.

12. ECOLOGICAL INFORMATION

Eco-toxicity

Not expected to be harmful to aquatic organisms.

Persistence and degradability

The product contains inorganic compounds which are not biodegradable.

Bio-accumulative potential

The product is not expected to bio-accumulate.

Mobility in soil

The product is not mobile in soil.

Additional information

Do not allow to enter soil, waterways or waste water canal.
13. DISPOSAL CONSIDERATIONS

| Disposal methods | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local / regional/ national/ international regulations. |
| Residual waste | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Completely emptied packaging can be given for recycling. |

14. TRANSPORT INFORMATION

| IMDG | Not regulated as dangerous goods. |
| IATA/ ICAO | Not regulated as dangerous goods. |

15. REGULATORY INFORMATION

Safety, health and environmental regulations

| National regulations | Followed |
| EINECS : All ingredients listed, exempt or notified (ELINCS). |
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| PICCS : All ingredients listed, exempt or notified. |
| DSL : All ingredients listed or exempt. |

16. OTHER INFORMATION

| Issue date | 18-February-2019 |

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